AIRCRAFT DISPATCHER

UNIT 5 – COMMUNICATIONS

INSTRUCTIONS TO THE INSTRUCTOR

NOTES

DETAILED LESSON PLAN OUTLINE

CURRICULUM: BLM Fire and Aviation Training

COURSE: Aircraft Dispatcher

UNIT: 5 - Communications

LESSON: NA

SUGGESTED TIME: 1 hour

TRAINING AIDS: Overhead projector or computer and computer projector and CD-ROM, projection screen; corrected pre-course work separated by student groups; VCR; felt tip markers, masking tape or tacks; handouts; flip chart with cadre coach/mentors pre-assigned to groups.

OBJECTIVES: Given a simulated wildland fire incident scenario, case study or exercise, students will be able to:

- Identify the two basic types of aviation radio frequencies commonly assigned to incidents and their respective purposes.

- Identify the purpose of a tone assigned to a radio frequency and how tones are assigned.

- List the sequence of procedures to be performed when requesting an additional aviation frequency.

- Define the purpose for the Air Guard frequency.

- List the two key considerations when managing aviation frequencies for multiple fires.

- List four radio etiquette guidelines.

OUTLINE	AIDS & CUES
INTRODUCE UNIT 5	05-01-ACDP-SL
PRESENT UNIT OBJECTIVE	05-02-ACDP-SL 05-03-ACDP-SL 05-04-ACDP-SL
I. BASIC TYPES OF AVIATION RADIO FREQUENCIES	05-05-ACDP-SL
A. FM–Frequency Modulation	
• Air-to-ground	05-06-ACDP-SL
• Air-to-dispatch	
B. AM–Amplitude Modulation	
• Air-to-air	05-07-ACDP-SL
• Helibase air traffic control	
• Emergency Locator Transmitter (ELT)	
• National Airtanker Frequency	
D. Purposes of Tones	05-08-ACDP-SL
1. Maximize frequency use	
2. Minimize interference	
3. Manage repeater systems	
E. Process for Requesting Additional Frequencies	05-09-ACDP-SL
1. Determine actual need and usage (AM or FM)	
2. Order frequency on an aircraft resource order through normal dispatch channels	

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OUTLINE	AIDS & CUES
3. NICC will place the order with the National Interagency Radio Support Cache (NIRSC)	05-10-ACDP-SL
4. A frequency coordinator may be assigned during times of activity.	
F. What is Air Guard?	05-11-ACDP-SL
1. Aircraft/pilot to declare an emergency	
2. Dispatch to divert aircraft	
G. Managing Frequencies for Multiple Fires	05-12-ACDP-SL
1. Insure frequency separation between the incidents	
2. During multiple incidents, determine the need for a frequency coordinator	
II. RADIO ETIQUETTE GUIDELINES	05-13-ACDP-SL
A. Speak in clear text, plain language. Do not use codes.	
B. Keep messages short and to the point. Think of what you need to say before you transmit.	
C. Stay alert, keep calm, think clearly, act decisively. (Fire Order #10)	05-14-ACDP-SL
D. "DO NOT SHOUT" into the microphone.	
ASK STUDENTS IF THERE ARE ANY QUESTIONS.	

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